

AMENDMENTS TO THE CLAIMS

1-6. (Cancelled)

7. (Currently Amended) ~~The tapered roller bearing according to claim 6,~~ A tapered roller bearing comprising:

an inner ring;

an outer ring;

multiple tapered rollers rollably disposed between said inner and outer rings; and
a cage for holding said tapered rollers at predetermined circumferential intervals, wherein a roller coefficient γ thereof is larger than 0.94,

wherein said cage includes pockets for holding said tapered rollers, respectively, and a window angle of each of said pockets is in a range of 55° to 80°, and

wherein said cage includes pole sections extending between adjacent ones of said pockets, respectively, each of said pole sections including a protruding section having a convex shape protruding toward said outer ring for forming a wedge-shaped oil film between said protruding section and a raceway surface of said outer ring.

8. (Previously Presented) The tapered roller bearing according to claim 7, wherein a radius of curvature of each of said protruding sections is 70 to 90% of a radius of curvature of an inner surface of said outer ring, as viewed in an axial direction of the tapered roller bearing.

9. (Currently Amended) The tapered roller bearing according to claim ~~[[6]]~~ 7, wherein said cage is formed of an engineering plastic.

10. (Currently Amended) ~~The tapered roller bearing according to claim 5~~ A tapered roller bearing comprising:

an inner ring;

an outer ring;

multiple tapered rollers rollably disposed between said inner and outer rings; and
a cage for holding said tapered rollers at predetermined circumferential intervals, wherein a roller coefficient γ thereof is larger than 0.94,

wherein said cage includes pockets for holding said tapered rollers, respectively, and wherein said cage includes pole sections extending between adjacent ones of said pockets, respectively, each of said pole sections including a protruding section having a convex shape protruding toward said outer ring for forming a wedge-shaped oil film between said protruding section and a raceway surface of said outer ring.

11. (Previously Presented) The tapered roller bearing according to claim 10, wherein a radius of curvature of each of said protruding sections is 70 to 90% of a radius of curvature of an inner surface of said outer ring, as viewed in an axial direction of the tapered roller bearing.

12. (Currently Amended) The tapered roller bearing according to claim ~~[[5]]~~ 10, wherein said cage is formed of an engineering plastic.